

Appl. No. 10/633,589
Amendment dated January 25, 2005
Reply to Office Action of October 26, 2004

AMENDMENTS TO THE DRAWINGS:

The attached sheets of drawings include a change to Figures 1, 2a, and 2b. These sheets, which include Figures 1, 2a, and 2b, and replace the original sheets including Figures 1, 2a, and 2b.

Attachment: two (2) replacement sheets

REMARKS

In the October 26, 2004 Office Action, the specification was objected to and claims 1 and 2 stand rejected in view of prior art, while claims 3-6 were indicated as containing allowable subject matter. Claims 1 and 4 were objected to because of informalities. No other objections or rejections were made in the Office Action.

Status of Claims and Amendments

In response to the October 26, 2004 Office Action, Applicants have amended the specification and claims 1, 2, and 4-6, and have cancelled claim 3 as indicated above. Applicants have also added claims 7-9. Applicants wish to thank the Examiner for this indication of allowable subject matter and the thorough examination of this application. Thus, claims 1, 2, and 4-9 are pending, with claims 1, 4, 5, and 6 being the only independent claims. Reexamination and reconsideration of the pending claims are respectfully requested in view of above amendments and the following comments.

Drawings

Upon review of the application, it was discovered that Figures 1, 2a, and 2b only show that which is old. Thus, Applicants have corrected the drawings to show a legend that reads -- (Prior Art) -- as required. Acceptance of the replacement drawings is respectfully requested.

Specification

On page 2 of the Office Action, the specification was objected to for failing to comply with 35 U.S.C. §112, first paragraph because it is replete with terms which are not clear, concise, and exact. In response, Applicants have submitted herewith a substitute specification to correct the errors at the end of paragraphs [0060], [0077], [0079], and [0080] and throughout the specification. Applicants also submit a marked copy of the substitute

specification showing all changes made to the specification of record. Applicants respectfully assert that no new matter has been added.

Applicants believe that the specification is now correct.

Claim Objections

On page 2 of the Office Action, claims 1 and 4 were objected to for informalities. In response, Applicants have amended claims 1 and 4 to correct the errors.

Specifically, in claim 1, line 14 -- second -- was inserted before “amplifying,” and the recitations of “degradation” were changed to -- degeneration --.

Rejections - 35 U.S.C. § 102

On page 2 of the Office Action, claims 1 and 2 stand rejected under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 5,548,246 (Yamamoto et al.). In response, Applicants have amended independent claim 1, and cancelled claim 3 to define clearly the present invention over the prior art of record.

In particular, independent claim 1 has been amended to recite a second switch connects the input terminal and the output terminal, which was the limitation of original claim 3, which was indicated as containing allowable subject matter. As seen in Figure 8 of Yamamoto et al., Yamamoto et al. fail to disclose a switch connects the input terminal IN to the output terminal OUT. Clearly, this structure is ***not*** disclosed or suggested by Yamamoto et al. or any other prior art of record.

Further, Fig. 8 of Yamamoto et al. discloses a structure in which switches (SW1, SW2) are placed on the input part of the amp A2 and the amp A3. This structure causes degradation of the noise due to the switch (SW1) when operating in a high gain mode. The Yamamoto et al. structure of Fig. 8 thereof may address problems with the transmitter circuit, but if a similar structure were used with the receiver circuit of the present invention, problems

would arise. To solve these problems, the LNA, is disclosed in the specification of the instant application and claim 1 thereof, has a selectively matching circuit that is connected *directly* to the input terminal without switches. Although, the selectively matching circuit of the present application does not include a switch in the signal path, it has a structure that reduces the impedance loading by enlarging the impedance in a low gain mode.

It is well settled under U.S. patent law that for a reference to anticipate a claim, the reference must disclose each element of the claim within the reference. Therefore, Applicants respectfully submit that claim 1, as now amended, is not anticipated by the prior art of record. Withdrawal of this rejection is respectfully requested.

Moreover, Applicants believe that dependent claim 2 is also allowable over the prior art of record in that it depends from independent claim 1, and therefore is allowable for the reasons stated above. Also, the dependent claim is further allowable because it includes additional limitations. Thus, Applicants believe that since the prior art of record does not anticipate the independent claim 1, neither does the prior art anticipate the dependent claim.

Applicants respectfully request withdrawal of the rejections.

Allowable Subject Matter

On page 3 of the Office Action, claims 3-6 were indicated as containing allowable subject matter. Applicants wish to thank the Examiner for this indication of allowable subject matter and the thorough examination of this application. In response, Applicants have amended claim 1 to recite the limitations of claim 3, and have placed claims 4, 5, and 6 in independent form. Please note that claims 4, 5, and 6 have been amended to recite only some of the limitations of the original claims. Examination and consideration are respectfully requested.

New Claims - 7-9

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Applicants have added new claims 7-9. Claims 7, 8, and 9 respectfully depend on claims 4, 5, and 6, and include the limitations of the original claims 4, 5, and 6 that were deleted from original claims 4, 5, and 6. Examination and consideration are respectfully requested.

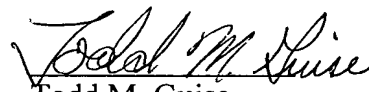
Prior Art Citation

In the Office Action, an additional prior art reference was made of record. Applicants believe that this reference does not render the claimed invention obvious.

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In view of the foregoing amendment and comments, Applicants respectfully assert that claims 1, 2, and 4-9 are now in condition for allowance. Reexamination and reconsideration of the pending claims are respectfully requested.

Respectfully submitted,


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